

Monetary Policy in the Dynamic Model

Pascal Michailat
<https://pascalmichailat.org/c2/>

Example of dynamic Beveridge-Widall model.

Dynamic model of slack.

divine : inflation is exogenous \Rightarrow Fed only needs to reach full employment to maximize welfare.

Beveridge dynamic model has a Beveridge curve (\sim AS)

$$u(\theta) = \frac{\lambda}{\lambda + f(\theta)}$$

Widall

AD curve is determined/governed by nominal interest rate \leftarrow slope of Phillips curve

$$y^d = \left[\frac{s - i + \pi}{\sigma'(\theta)} \right] \frac{1}{[1 + \tau(\theta)]^{\epsilon-1}}$$

\uparrow
MU wealth

\hookrightarrow dynamic model is DBW model

\hookrightarrow formula in sufficient statistics applies to model.

